TOSHIBA

Tecra A3

Model Name	Description	Part Number	UPC Code
A3-S611	Intel Pentium® M Processor 730 [1.60GHz, 2MB L2 cache, 533MHz FSB], 15.0" diagonal standard TFT active-matrix LCD display at 1024x768 native resolution, 40GB (4200 RPM), DVD-CDRW, 256MB, 6-cell, Integrated Intel Pro/Wireless Network Connection 2200BG (802.11b/g), Serial/Parallel/Fast Infrared, Microsoft Windows XP Professional, 1-year standard limited warranty	**PTA30U-014004**	**032017316829**

System Characteristics[1]

Operating System
- Microsoft® Windows® XP Professional

Intel® Centrino™ Mobile Technology featuring:
Processor[2]:
- Intel Pentium® M Processor 730 [1.60GHz, 2MB L2 cache, 533MHz FSB]

Chipset
- Mobile Intel 915GM Express Chipset

Integrated Wi-Fi™ compliant wireless LAN
- Intel PRO/Wireless 2200BG (802.11b/g),

Memory[3]
- 256MB (Min)/2048MB (Max), 256MB memory with 1 available memory slot for 256MB, 512MB, or 1024MB PC2700 DDR333 SDRAM 2.5V SODIMM memory modules;
- Both slots may be occupied on models configured with 512MB.

Mass Storage
Hard Drive[4]
- 40GB (4200 RPM); Enhanced IDE (ATA-5) hard disk drive; 9.5mm height; user removable

Optical Disk Drive:
- Fixed Bay CD-RW/DVD drive:
  - Maximum Speed:
    - CD-ROM (24x:read), CD-R (24x:write), CD-RW (24x:write), DVD-ROM (8x:read)
  - Compatibility:
    - CD-ROM (read), CD-R (read/write), CD-RW (read/re-write), DVD-ROM (read), DVD-R (read), DVD-RW (read), DVD+R (read), DVD-RAM (read)

Display[5]
- 15.0" diagonal standard TFT active-matrix LCD display at 1024x768 native resolution
- Brightness Control

Graphics
- Intel Graphics Media Accelerator 900; up to 128MB of graphics memory is taken from the main memory via UMA (Unified Memory Architecture)[6]

Input Devices
- Keyboard
  - 85 key US keyboard, 2.7mm key stroke, 6mm keyboard height, 19.05mm key pitch
  - Hot Key Functions (FN); please see electronic User's Guide for more information
  - Windows Key Function
  - Application Key Function
- Pointing Device: TouchPad™
  - TouchPad™ Enable/Disable (FN+F9 or by help of software)
- Others:
  - Toshiba Console Button (Toshiba Assist)
  - Presentation Button

Expandability
- 2 main memory slots. Both slots may be occupied.
- 1 PC Card slot support 1 Type II, PCMCIA R2.01, PC Card16, CardBus

Communications
- Integrated V.92 modem[7]
  Marvell 88E8036 onboard network interface chip for 10/100 Base-TX Ethernet
- Integrated Intel Pro/Wireless Network Connection 2200BG (802.11b/g) [8]

Ports
- Serial Port
- Parallel port
- RGB (monitor) port
- Fast Infrared (4Mbps) port
- 3 Universal Serial Bus (USB) ports (v2.0)
- TV-out (S-Video)
- RJ-11 modem port
- RJ-45 LAN port
- i.LINK(tm) IEEE-1394
- External Microphone jack (monaural)
- Headphone jack (stereo)
- 240 pin docking connector

Physical Description
- Dimensions (WxDxH Front/H Rear): 13.3" (338.0mm) x 11.0" (279.7mm) x 1.27" (29.7mm)[F]/1.46" (37.2mm)[R] without feet
- Weight[9]: Starting at 6.00 lbs. (2722 g) depending upon configuration
- Indicators: Power, DC-In, Primary HDD Access, Optical Disk Drive Access, CapsLock, Arrow Mode, Numeric Mode, Main Battery Charging Status, System Sleep/Suspend Status, Wireless Communication
- Case material: Polycarbonate ABS

Sound
- Realtek ALC250 Software Sound
- 16-bit stereo; Built-in stereo speakers,
- External microphone port (monaural)
- 3D Sound Support, Direct 3D Sound; DirectSound, Direct Music, MIDI (playback) Support
- Sound Volume Control Dial

Power Supply
- 75W (15V x 5A) Auto sensing external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input.
- Dimensions (WxDxH): 5.35" (136.0mm) x 2.09" (53.0mm) x 1.18" (30.0mm)
- Weight: starting at 0.88 lb. (400 g)

Battery[10]
- 6-cell (10.8V x 4300mAh) rechargeable, removable Lithium Ion (Li-Ion) battery pack
- Weight: starting at 0.75 lb. (340 g)
- Dimensions (WxDxH): 8.15" (207.0mm) x 0.91" (23.0mm) x 2.13" (54.0mm)
- Battery Life: Up to 3 hours 46 minutes (measured by MobileMark™) (6-cell battery) [11]
- Recharge Time: Main Battery – approximately 4.0 hours (system off)/approximately 12.0 hours (system on)

Security
- Slot for cable lock;
- Items protected by a screw:
- Passwords: User Power-on password, Supervisor Password
- Hotkey locks:
- Software: Screen Blank (by Hotkey), Screen Saver (by software).

BIOS
- ACPI v1.0b, PNP v1.0a, VESA v2.0, DPMS, DDC, SM BIOS v2.34, PC BIOS v2.2 support

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Software[12]

Toshiba Software and Utilities

- Toshiba ConfigFree™
- Toshiba Custom Utilities
- Electronic User's Guide

Third-party Software[13]

- Microsoft Office® OneNote™ 2003
- Microsoft Works™ Version 8.0
- Sun® Java™ 2 Runtime Environment
- Adobe® Acrobat® Reader version 5.0
- Software Decoder: InterVideo® (WinDVD™ 5)
- InterVideo WinDVD Creator 2 Platinum
- Sonic™ PrimeTime
- Sonic Solutions RecordNow!™ Basic for Toshiba
- Sonic Solutions Drive Letter Access (DLA)
- Microsoft Windows Media Player version 10
- Napster® Digital Music Service – 30 days trial
- Computer Associates Easy FireWall – 30 days trial
- Norton® AntiVirus™ 2004 – w/3-Month Subscription
- AOL® version 9.0 – 3-Month offer
  AOL OFFER DETAILS: Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.
- AT&T® Worldnet® Service – 1 Month offer
  Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only,
- Intuit® Quicken® New User Edition 2004
- QuickTime™ Player
- RealOne™ Player 8 Basic

Environmental Specifications

	Operating	Non-Operating
Temperature	5° to 35°C (41° to 95°F)	-20° to 65°C (-4° to 149°F)
Thermal Gradient	15°C per hour maximum	20°C per hour maximum
Relative Humidity	20% to 80%	10% to 95%
Altitude (relative to sea level)	-60 to 3000 meters	-60 to 10,000 meters
Shock	10G	60G
Vibration	0.5G	1.0G

Limited Warranty

- 1-year Standard, Limited Warranty

SelectServ® Limited Warranty Upgrades and Extensions

Toshiba offers many different warranty extensions and enhanced service plans such as SystemGuard®, At-Home Repair, and Service Express to provide additional support to your notebook PC. For a full description and complete list of programs, please visit www.accessories.toshiba.com

Warranty Extension

Extends the standard warranty for up to 4 years from the original notebook purchase date. See Toshiba Service Plan Agreement for program terms and conditions at www.pcsupport.toshiba.com.

Part Number	Description
SWC-PEQQ2V	2 Years Total
SWP-PEQQ3V	3 Years Total
SWC-PEQQDV	4 Years Total
SWC-PEQQ4V	4th Year Only

SystemGuard Accidental Damage Coverage1

Provides coverage of accidental damage caused by drops, spills and even screen breakage. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSGQ1V	1 Year
SWC-PEGQ2V	2 Years
SWP-PEGQ3V	3 Years
SWC-PEGQ4V	4 Years
SWC-PEGQDV	4th Year Only

ServiceExpress

Select your express repair service with either Depot Express or Carry-In Express. Depot Express: Notebook repaired the same day it is received, and returned via overnight delivery. Shipping and box provided. Carry-In Express: Notebook repaired by the next business day at any Premier Authorized Service Provider. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSQP1V	1 Year
SWC-PEQP2V	2 Years
SWP-PEQP3V	3 Years
SWC-PEQPDV	4 Years
SWC-PEQP4V	4th Year Only

At-Home Repair

A technician arrives with parts at the customer's home by the second business day and performs the necessary hardware repairs. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSQH1V	1 Year
SWC-PEQH2V	2 Years
SWP-PEQH3V	3 Years
SWC-PEQHDV	4 Years
SWC-PEQH4V	4th Year Only

Business On-Site Repair

A technician arrives with parts at the customer's business location the next business day and performs the necessary hardware repairs. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSQN1V	1 Year
SWC-PEQN2V	2 Years
SWP-PEQN3V	3 Years
SWC-PEQNDV	4 Years
SWC-PEQN4V	4th Year Only

SystemGuard1 + ServiceExpress

Combines SystemGuard and ServiceExpress coverage. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSGP1V	1 Year
SWC-PEGP2V	2 Years
SWP-PEGP3V	3 Years
SWC-PEGPDV	4 Years
SWC-PEGP4V	4th Year Only

SystemGuard1 + At-Home Repair

Combines SystemGuard and At-Home Repair coverage. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSGH1V	1 Year
SWC-PEGH2V	2 Years
SWP-PEGH3V	3 Years
SWC-PEGHDV	4 Years
SWC-PEGH4V	4th Year Only

SystemGuard1 + Business On-Site Repair

Combines SystemGuard and Business On-Site Repair coverage. Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSGN1V	1 Year
SWC-PEGN2V	2 Years
SWP-PEGN3V	3 Years
SWC-PEGNDV	4 Years
SWC-PEGN4V	4th Year Only

Accessories

Memory

Part Number	Description
KTT3311A/256	Kingston PC2100/PC2700, 256MB DDR
KTT3311A/512	Kingston PC2100/PC2700, 512MB DDR
KTT3311A/1G	Kingston PC2100/PC2700, 1GB DDR

Docking

Part Number	Description
PA3314U-1PRP	Toshiba Advanced Port Replicator III w/75W AC Adapter

Power

Part Number	Description
PA3283U-2ACA	Toshiba 75W Global AC Adapter
PA3399U-1BRS	Toshiba Primary Li Ion Battery Pack (6 Cell)
PA3400U-1BRS	Toshiba Primary High Capacity Li Ion Battery Pack (12 Cell)

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Cases and Security

Part Number	Description
PA1335U-1NCS	Toshiba Ambassador Leather Case (15.4")
PA1360U-1NCS	Toshiba Nylon Case (15.4")
PA1362U-1NCS	Toshiba BackPack (15.4")
PA1377U-1NCS	Toshiba/Brenthaven Universal Case 15.4"
PA1378U-1NCS	Toshiba/Brenthaven Roller Case 17"
NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock

Input Devices

Part Number	Description
PA1336U-1NKB	Toshiba USB Keyboard
PA1337U-1NMS	Toshiba USB Optical Scroller Mouse
PA1367U-1NMS	Toshiba USB Ultra-Mini Retractable Scroller Mouse
PA1368U-1NHB	Toshiba USB 2.0 Mini 4-Port Hub (w/AC adapter)

Storage and Backup

Part Number	Description
PA3404U-1H40	Toshiba USB Mobile Hard Drive 40GB (1.8")
HDD1232CZP41002	Toshiba 5GB Type II PC Card HDD w/Back-up software
UABS2-60.0	CMS ABSplus 60GB USB 2.0 Auto Backup System
UABS2-80.0	CMS ABSplus 80GB USB 2.0 Auto Backup System

Bluetooth

Part Number	Description
PA3425U-1BTM	Bluetooth Module Kit (V1.2) [*Dealer Install Only]*
PA3405U-1BTM	Toshiba Bluetooth USB adapter
PA1381U-1ETC	Toshiba Bluetooth Headphones
PA1380U-1NMS	Toshiba Bluetooth Travel Mouse

Multimedia

Part Number	Description
PA3390U-1MPM	Toshiba MultiMedia Center/Audio USB Hub

Miscellaneous

Part Number	Description
PA3109U-1FDD	Toshiba USB Floppy Disk Drive Kit
PA1370U-1ETC	Toshiba Keyboard Protector (Tecra/Satellite/Qosmio)
PA3376U-1MPC	Intel Wireless Mini-PCI LAN Card Kit (802.11a & g) [*Dealer Install Only*]

Subject to Change

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[1] Certain notebook chassis are designed to accommodate all possible configurations for an entire product series. Your select model may not have all the features and specifications corresponding to all of the icons or switches shown on the notebook chassis, unless you have selected all those features.

[2] CPU performance in your computer product may vary from specifications under the following conditions:

1. Use of certain external peripheral products
2. Use of battery power instead of AC power
3. Use of certain multimedia, computer generated graphics or video applications
4. Use of standard telephone lines or low speed network connections
5. Use of complex modeling software, such as high end computer aided design applications
6. Use of several applications or functionalities simultaneously
7. Use of computer in areas with low air pressure (high altitude greater than 1,000 meters or greater than 3,280 feet above sea level)
8. Use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please refer to your Resource Guide or visit the Toshiba website at www.pcsupport.toshiba.com for details.)

CPU performance may also vary from specifications due to design configuration.
Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

[3] The graphics system in your computer may use part of the main system memory for graphics performance and therefore reduce the amount of system memory available for other computing activities. The amount of system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors.

[4] One (1) Gigabyte (GB) means 1000 x 1000 x 1000 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1024 x 1024 x 1024 = 1,073,741,824 bytes, and therefore may show less storage capacity. Available storage capacity will also be less if the product includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-

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installed software applications, or media content. Actual formatted capacity may vary.
[5] Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology. Over a period of time, and depending on the usage of the computer, the brightness of the LCD Screen will deteriorate. This is an intrinsic characteristic of LCD technology.
[6] Graphics processor unit ("GPU") performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.
[7] Due to FCC limitations, speeds of 53 kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions.
[8] Wireless connectivity is subject to availability of access points. You might have to purchase additional software, hardware and/or services or pay for phone charges or air time to achieve the functionality as advertised. The transmission speed over the wireless LAN and the distance over which wireless LAN can reach may vary depending on surrounding electromagnetic environment, obstacles, access point design and configuration, and client design and software/hardware configurations. The actual transmission speed will be lower than the theoretical maximum speed.
[9] Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.
[10] Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba web site at http://www.accessories.toshiba.com.
[11] MobileMark™ is a registered trademark of Business Applications Performance Corporation.
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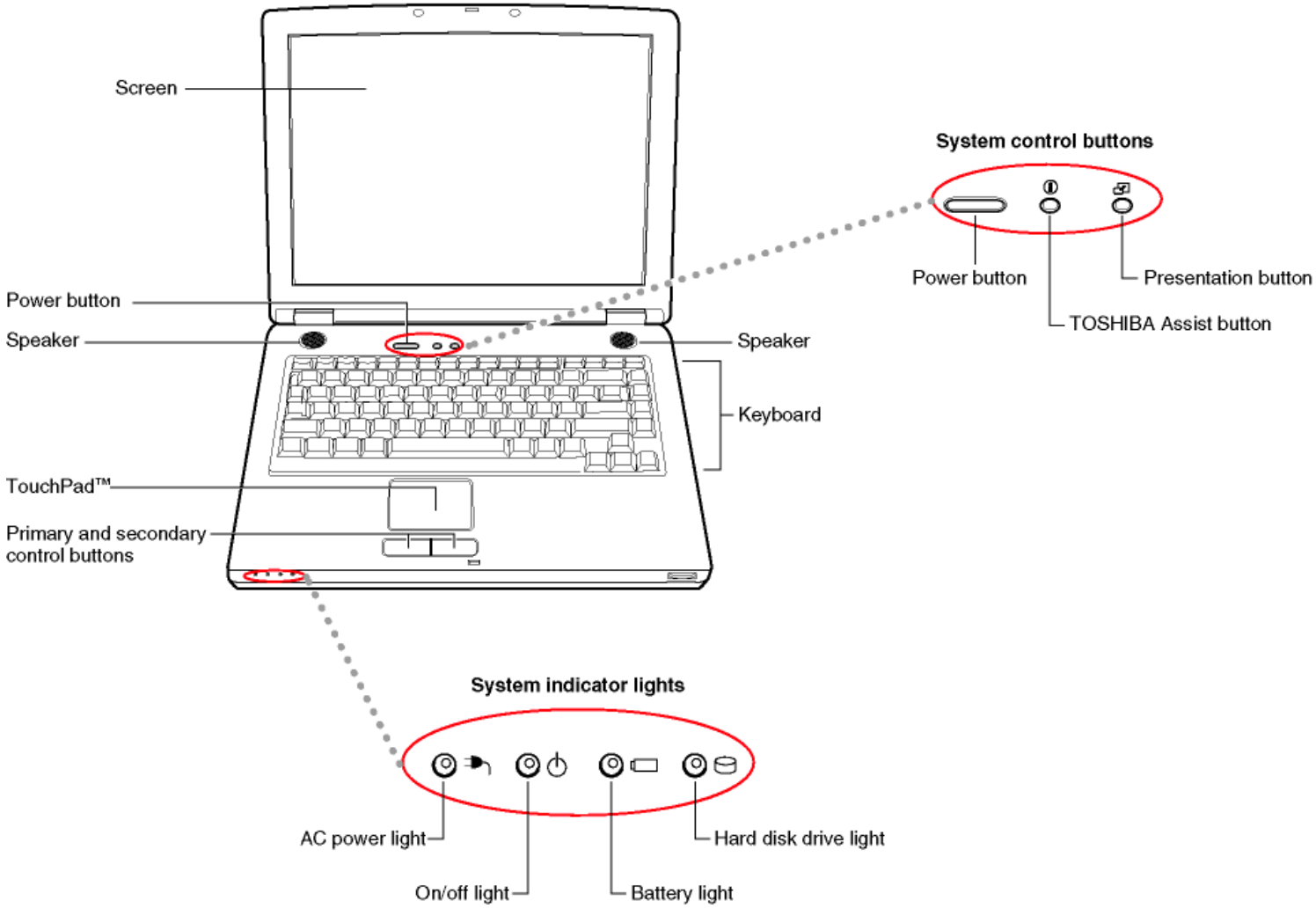
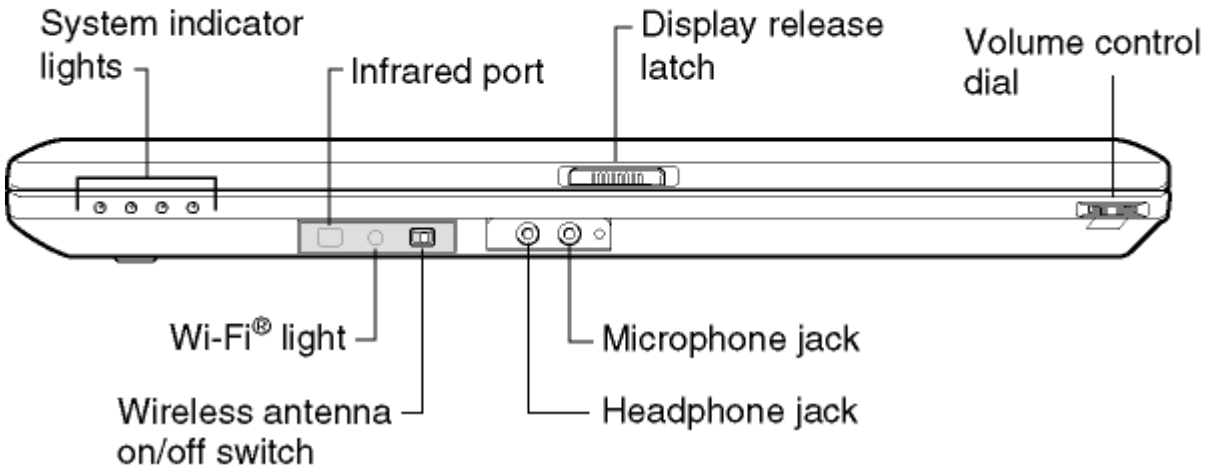
Front with display open



Front with display closed



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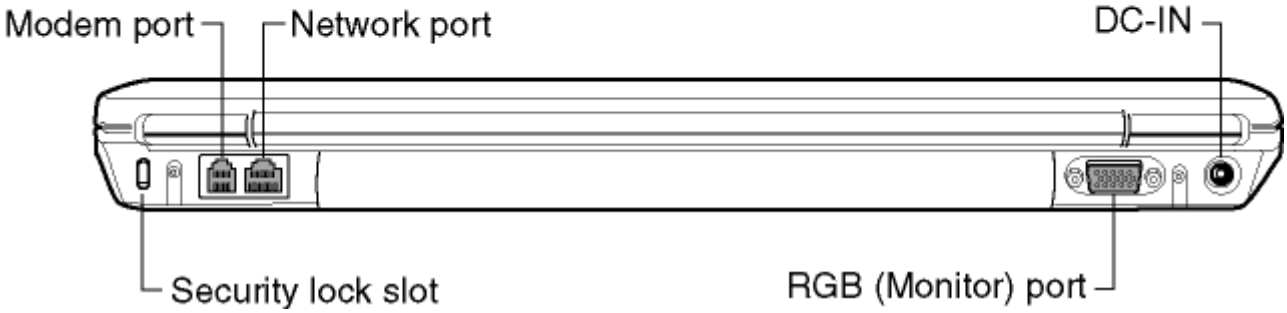
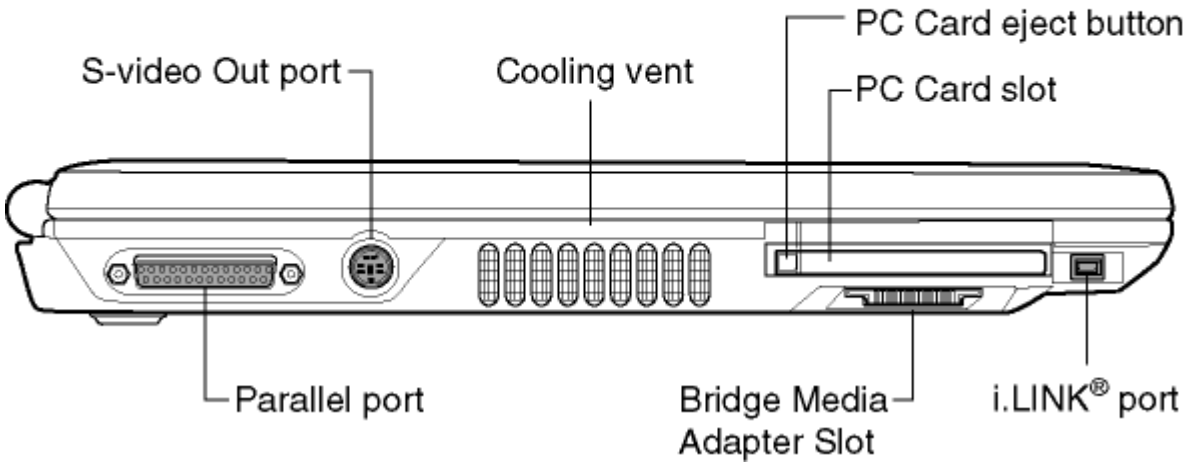
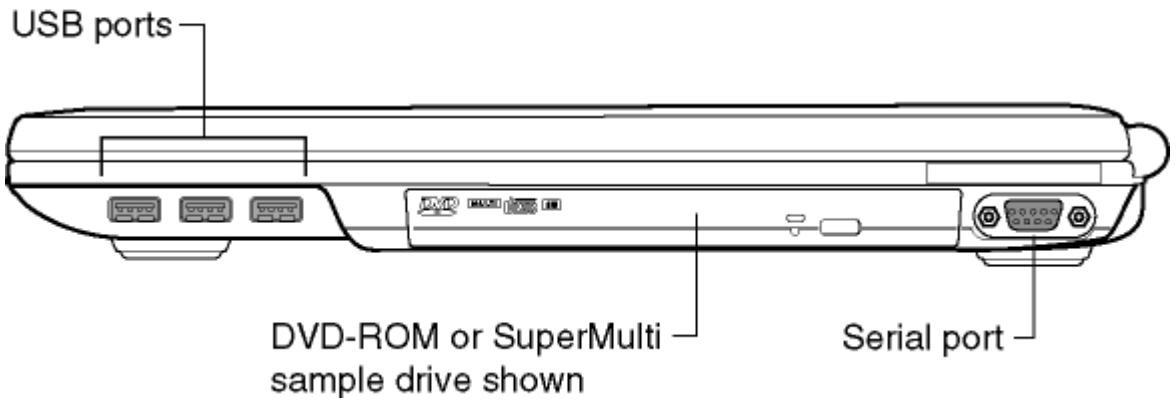


Left side



Right side



Underside